DOT Monitoring Program for Structural Concrete Plant Inspection

Plant Inspection Duties per IM ~~214~~ 213 and 528	Minimum Monitoring Requirements by Construction Personnel
Stockpiles 1. Proper stockpiling procedures 2. Prevention of intermingling of aggregates 3. Prevention of contamination 4. Prevention of segregation	Inspect weekly during production
Plant Facilities 1. Assures plant safety 2. Check for equipment compliance 3. Proper laboratory location and facilities	Inspect once during first week of production. (Check that the plant inspector has current manuals, instructions, and specifications. Inspect transit mixers.)
Calibration 1. Have appropriate batch weights 2. Check plant calibration 3. Plant monitor involvement	Plant calibration is observed by District Materials personnel
Cement, Fly Ash, and Aggregate Delivery and Admixtures 1. Check for proper source and certification 2. Document quantities delivered 3. Monitor condition of shipments	Audit weekly during production
Plant Sampling 1. Check aggregate gradations 2. Check aggregate moisture 3. Check aggregate specific gravity	1. Witness sampling and splitting of at least one of the first three samples of each aggregate and a *minimum* of 10% of the remaining samples. Provide documentation of these witnessed samples on Form 820193. Perform acceptance testing frequency as per I.M. 204. Also verify that the sampling and testing plan is in accordance with Construction Manual 3.22. 2. &3. Witness once during first week of production. If problems develop, run one test to verify plant inspector's results.

DOT Monitoring Program for Structural Concrete Plant Inspection (Continued)

Plant Inspection Duties per IM ~~214~~ 213 and 528	Minimum Monitoring Requirements by Construction Personnel
Proportion Control 1. Check scale weights and scale operation 2. Check admixture dispensers 3. Check mixing time and revolutions	Audit weekly during production. (Check batch weights during initial inspection.)
Concrete Tests 1. Cure flexural test specimens 2. Develop maturity curves	~~1. Observe curing facility weekly~~ ~~2. Test flexural specimens~~ 1. Test flexural specimens 2. Check curve development 3. Observe curing facility weekly
Test Equipment 1. Clean and maintain scales, screens, pycnometers, beam molds, and laboratory facility	Inspect weekly during production
Documentation 1. Prepare weekly 211B reports 2. Document all checks and test results in field book 3. Maintain daily diary of work activities	Audit weekly during production. Maintain a separate diary of items monitored.